

*Made in Canada*

*More than a Harrow—a Cultivator and Weeder as well*

# Allen Double Rotary Harrow

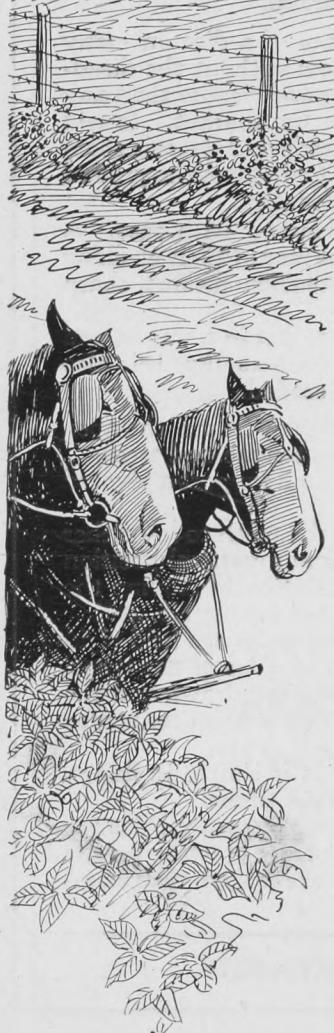
*Manufactured by*

## Canadian Farm Implement Co. Ltd.

**MEDICINE HAT, ALTA.**

*Winnipeg Office* — — — *704 McIntyre Block*

*Mr.*



*Harrows and Reharrow its own Harrowings  
in one operation*

# Allen Double Rotary Harrow

Comparison  
Here Is Not  
Odious

What It Is

What It Does

Description

In ages past the primitive tiller of the soil found that it was essential to prepare a seed bed in which to plant his crop. This was done by dragging over the laboured ground a rude instrument supplied with fixed teeth. Is the ordinary harrow of today anything more than an elaborate form of this early rake?

The Allen Double Rotary Harrow is the first real and practical improvement on these antiquated implements. It has many uses. It is a Harrow, a Weeder and a Cultivator combined. Its toothed wheels when working the ground rotate constantly and move forward at the same time, each tooth not only cutting a path for itself but crosses and recrosses the paths of the other teeth. When operating no particle of ground is left unworked.

The Allen Double Rotary Harrow will take the place of a disc on many soils. It will do better work than the spring tooth harrow without the disadvantages. It will in one operation work the ground deeper and cleaner than any number of traverse harrowings by any other harrow on the market. It will replace a cultivator with advantage. It will eradicate weeds and deposit them on the surface ready to be gathered by the horse rake. It will level the ground in a remarkable manner. It will not clog, for it is self-cleaning.

A light team will operate an 8-foot Allen Rotary Harrow with ease. A number of these Harrows can be coupled together without fear of their clashing or leaving patches of unworked ground. The swivel trucks allow a short, sharp turn to be made without upsetting the harrow.

The Allen Double Rotary Harrow does not have to be put in a wagon and carted to and from work. The spiked wheels upend and form a sulky; this also allows of working wet ground after rest of field has been seeded.

The Allen Double Rotary Harrow consists of a triangular frame, the apex of which is supported by a swivel truck connection to the tongue and trees.

The two corners of the base of the triangular frame each support a pivoted axle on which are mounted the rotating harrow units.

The axles being pivoted allow the wheels containing the teeth to lay either in a horizontal position for harrowing as in Cut No. 1, or in a vertical position so that the rim may be used as a convenient wheel for traction in moving the machine from place to place. This last position is indicated in Cut No. 2.

When machine is in harrowing position the projecting axles are held rigid by stout turn buckles. These are set so that the adjacent sides of the wheel rims are lower in the ground than the opposite sides, and when drawn and the pull transmitted through the axles the wheels rotate through uneven resistance on the opposite sides.

There are no gears or mechanisms in the Harrow. It is simple in design and construction. There is absolutely nothing to get out of order.

Once harrowing is finished and transportation desired, the turnbuckles are slipped off without disturbing their lengths and upon the team starting up the wheels automatically rise to vertical position, where they are locked, thus forming a "sulky."

# CONSTRUCTION

In the design of this implement great care has been given to the few turning parts in order to assure at all times the most effective work and the longest possible life to the machine.

The Harrow is very strongly built and is of all-steel construction.

The wheel axles are made with ample bearing surface, and a thrust washer has been provided at the inside end of the bearing to minimize friction while working.

The ground end of the hub is fitted with a dust-proof plug, while the top joint with the axle is also dust-proof.

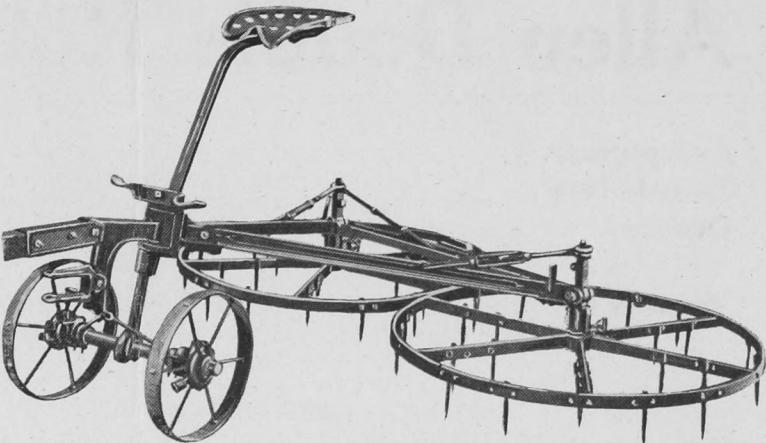
Special attention has been given to the proper lubrication of the axles, where a pocket of grease is continually held against it by the hub.

The front truck wheels are also provided with dust-proof fittings.

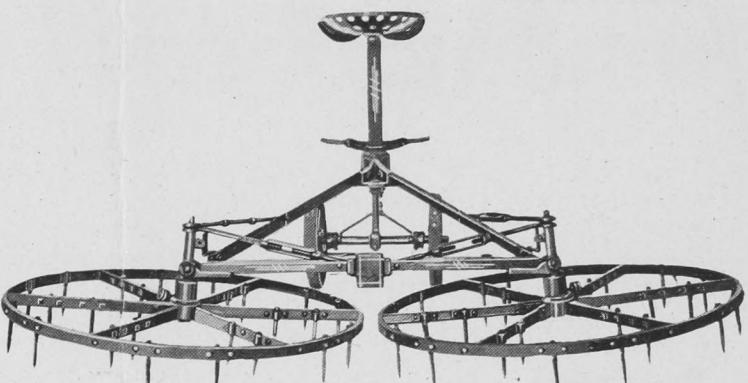
## PRICE

Allen Double Rotary  
Harrow ..... \$65.00

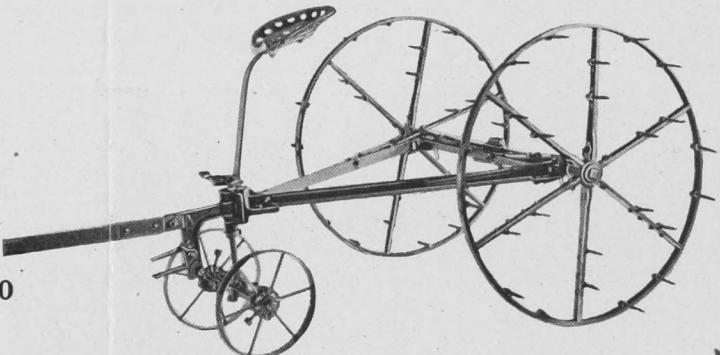
F.O.B. Medicine Hat, Alta.



READY FOR WORK



POSITION FOR WHEELS WHEN WORKING



AS A SULKY

## A FEW TESTIMONIALS

Province of British Columbia  
Minister of Agriculture,  
Victoria, Nov. 15, 1920.

L. L. Chadsey, Esq.,  
Chilliwack, B.C.

Dear Sir: With reference to the Rotary Harrow you are introducing and that I saw working at Chilliwack under various conditions, I am of the opinion that it is particularly valuable in land that has become foul with Canada thistles, twitch grass, etc., as it brings the roots to the surface in a very effective manner and being self-cleaning does not clog.

It also leaves a much better seed bed than the common serrated harrow.

Yours very truly,  
(Sgd.) E. D. BARROW  
Minister of Agriculture

Chilliwack, B.C., Feb. 1st, 1923.  
Canadian Farm Implement Co.,  
Medicine Hat, Alta.

Dear Sirs: After trying out your Rotary Harrow thoroughly on different kinds of ground I am convinced no farmer should be without one. It leaves a far better seed bed, tears out quick grass, weeds and thistles and leaves them on top of the ground. It does not clog up and is by far the best harrow I have ever seen and the only machine for summer fallowing.

Those who saw the harrow working are contemplating getting one as soon as it is possible.

Yours sincerely,  
(Sgd.) J. R. HOSLER.

R.R. 1, Sardis,  
Chilliwack, B.C., Feb. 5th, 1923.  
Mr. F. L. Vanallen,  
Engineer Canadian Farm Implement Co.,  
Medicine Hat, Alberta.

Dear Sir: In reply to your enquiry as to how I liked the Rotary Harrow, would say I have

used the Rotary Harrow on different kinds of soil under different conditions and it will do double the work of the ordinary scratch harrow and in a great many cases it will do more and better work than the disc harrow. It has several advantages over other harrows as it is practically a self-cleaner. You cannot turn around short enough to upset it, and by having a rotary motion it pulverizes the soil, making a perfect seed bed. We tried it in a field where the quack or couch grass was very thick and it pulled the roots out of the ground and left them in rows and bunches behind the harrow with scarcely any soil left on them. It also has a seat to ride on, and when you wish to move from one place to another it can be changed in about one minute from a harrow to a wagon.

Yours truly,  
W. E. A. THORNTON.

Chilliwack, B.C., Dec. 15th, 1922.  
To Canadian Farm Implement Co.,  
Medicine Hat, Alta.

Dear Sirs: I thought perhaps I might be able to give you a few words as to what I thought of your Rotary Harrow.

I have worked one of the Rotary Harrows here in most all kinds of soil and weeds. I am safe in saying that I worked it in the worst piece of twitch grass that could grow, which it handled to perfection. No clogging and impossible to upset. The draft is very light compared to other harrows. The Disc Harrow or old-time Drag Harrow is not in it with the Rotary Harrow when it comes to handling twitch grass, weeds or thistles. I can get a better seed bed twice over the ground than I could do five times over the same ground with the common Drag Harrow.

Yours truly,  
(Sgd.) L. L. CHADSEY.